2nd Ra Bill Final BTH

Original/Duplicate/Triplicate
CONTRACT CERTIFICATE
(For Other Works)

No.

Date:

Division: Electrical (DASARAHALLY) Sub- Division:

Bill Received No.....Dated.....Cash Book Voucher No.....dated.....

Scheduled Docket Name of Work (as per sanctioned estimate);- -Maintenance to Electrical instalation to BBMP buildings coming umder Dasarahalli Zone.

BILL Period:- 01-06-2017 to 30-11-2017 (6 month)

Contractor and Full Address:M/s Chethan Electricals,

Work Order No: : EE/(Elec)/Das/WO/14/2016-17 Dated :30-11-2016

Reference to Agreement Date ..... Job No:- 014-16-000030

5123953090

Certified that the measurements were taken by me on 14/12/17 and recorded of pages ..... to ..... of Measurement Book No 5123953090 and that the work is satisfactorily executed.

For CHETHAN ELECTRICALS

Contractor

Proprietor

K.N. Badrinath

Officer in charge of work

JUNIOR ENGINEER (Ele)

Bruhath Bangalore Mahanagara Palike

Dasarahalli Zone Bangalore

Certified that the measurements were taken by me on..... and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in columns 3 of Account II have been actually brought to Site of the work and the contractor has not previously received any advance on this security. These materials are of an imperishable nature and are all required for immediate use on the work in the connection with item for finished work have been agreed upon. And normal agreement signed and executed by the contractor is recorded in the office.

ASST. EXECUTIVE ENGINEER (Ele)

Sub-division Officer

Bruhath Bangalore Mahanagara Palike

Dasarahalli Zone Bangalore

II Memorandum of Payment

41) Total value of work done or supplies as per account within	Total Bill	417559=00
42) Deduct amount to be held in reserve being ..... percent Rs.....	Previous	191672=00
43) " Balance		225697=00
44) Deduct payment :		
q) Amount of previous payment as in the Office Cash Book Voucher No.....Dated.....S.D.No..... Amount adjusted towards cash advance recovery of	IT 2%	4515=00
	Luc 1%	2257=00
	CBF 0.1%	225=00
r) Payments cost store or other material supplied. Now made recovery amount creditable to this/ other work	FSD 5%	11290=00
	TD	18287=00
Amount paid on this bill cheque/cash	Net	207410=00
45) Balance being unpaid value of work done held in reserve		
6) Deduct cash advance made on the Office Cash Book Voucher No..... dated..... .....less adjustments		
7) Net amount due to or from contractor		
Unadjusted items		
8) Advance to contractor for materials brought to site (as detailed) within Value of Government materials supplied		

For CHETHAN ELECTRICALS

Contractors Signature

Received Rs.....(in words)

by cash and adjustment of payment as per memorandum

Proprietor

(For use in the office)

Witnesses :

1.

2.

For CHETHAN ELECTRICALS

Dated .....Signature of contractor

Paid by me by cheque No.....Dated .....

Cash Rs.....dated

Proprietor

Initials of Officer making payment

Audited and admitted for Rs. 225697/-

Passed by Cheque for Rs. 207410/-

(Two lakh seven thousand four hundred ten only)

Executive Engineer (Ele)

by adjustment Rs. 18287/-

Accounts Superintendent Exe. Engineer (Ele)

B.B.M.P. Dasarahalli Division

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Sl. No.	Description of item	Unit
	Name of Work:-Maintenance to Electrical instalation to BBMP buildings coming umder Dasarahalli Zone	
1	Electrician and other skilled workers. , Rs.8594.40/Month/person, Rs.8594.40*12 Month=Rs.103132.80/Person/12 month. EPF at 13.61 % of Rs.8594.40/- , ESI at 04.75 % of Rs.8594.40/-	Persons
2	Helper (Electrical) Rs.224.93 per day per person Rs.224.93 X 182 days = Rs.40937.26 per annum per person (PWD SR 2014-15) Page-LVIII, Sl No.124	Persons
3	A) Supplying and Fixing/replacing of fluorescent Tube a) 18 to 40Watts	Nos
4	Supplying and Fixing of heavy duty open construction ferromagnetic copper ballast for fluorescent tubes: I.20/40Watts	Nos
5	Supply and fixing of 230 volts 20/40/watts starter for Fluorescent lamp	Nos
6	Rewinding a.mm ceiling fan / after using necessary gauge annealed and insulated copper wire with necessary insulating, separeaors, vibration, arresting shellac etc., including replacement of bearings, if any transportation to and form the spot to workshop inclusive of relasing the spot to workshop inclusive of relasing the refixing 1200 mm ceiling fan	Nos
7	Supplying and fixing/replacing of 6/16/32 Amps electrical accessories on existing switch board- 1) 6 amps S.P. switch	Nos
	3) 6 amps 3 way 5 pin socket	Nos
	9) 16 amps S.P. switch –2)	Nos
	10) 16 amps 3 way 5 pin socket–	Nos
	11) 16 amps 3 pin top –	Nos
	I2) 32 amps Bakelite DP	Nos
	13) 16/6 Amps Comined plug & socket with control switch 1) Group 'A'	Nos
8	Supplying and fixing/replacing condenser for ceiling fan/MV/SV/MH and other luminaries a) upto 4 mfd.	Nos
9	Supplying and replacing of ceiling fan regulator 900 mm to 1500 mm	Nos
10	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and wiring complete as required- 1) 5-32 amps S.P.	Nos
	3) 5-32 amps D.P.	Nos
	6) 40-63 amps TPN:	Mtrs
11	Wiring for lightingl/power circuit using one of PVC insulated 1100 volts grade, multis and copper conductor single core cable in open or concealed systems of wiring: Group-B 2) 1.5 sq.mm	Mtrs
	3) 2.5 sq.mm	Nos
12	Supplying patti type fluorescent tube light fitting of 4' -suitable for 28 watts fluorescent tube fitting, made out of M.S. Sheet and stove enameled with HF Electronic Ballast , locking type brass contact holders mounted on double fold type sheet base fully wired for use on 230 volts AC . Supply including T5 lamp.	Nos
13	Supplying capacitor type celling fan complete with down rod blades, shackle, canopies etc., for operation on 230 volts, 50 cycles. Single-phase AC sup ply conforming to ISS-374-1979 and with double ball bearing system. 1) 48" Sweep (1200mm) Regular Model	Nos
14	Fixing all types and all capacities of fluorescent / false ceiling / spot light / CFL / LED fittings indoor on the wall / ceiling / rafters / girders using 23/0.0076" twin twisted PVC insulated wires, required Nos of round blocks and clamps. 1)On wall / ceiling / Rafter / Girders	Nos
15	Fixing a ceiling / Wall mounting fan of all capacities and all types to the existing 'S' hook with fan regulator to the existing board together with supplying and fixing 5 amps. ceiling rose, necessary length of 23 / 0.0076 inch PVC insulated twin twisted copper wire and wiring.	Set
16	Monthly maintenance of NEC 308 EPABX system with extension Rs. 1200/Month, Rs1200*12 Month=Rs.14,400/12 month.	

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Previous Measurement		Present Measurement			Total Upto Date		Remarks
Qty.	Cost	Qty.	Rate Rs. P.	Amount	Qty	Cost	
1x6 Months	61033.98	1x6 Months	10172.33	61033.98	1x12 Months	122067.96	
1x6 Months	61033.50	1x6 Months	10172.33	61033.98	1x12 Months	122067.48	
100	5000.00	91	50.00	4550.00	191	9550.00	
70	10500.00	74	150.00	11100.00	144	21600.00	
65	1625.00	102	25.00	2550.00	167	4175.00	
6	3000.00	8	500.00	4000.00	14	7000.00	
20	500.00	15	25.00	375.00	35	875.00	
15	600.00	10	40.00	400.00	25	1000.00	
12	900.00	9	75.00	675.00	21	1575.00	
16	1120.00	5	70.00	350.00	21	1470.00	
4	280.00	5	70.00	350.00	9	630.00	
5	700.00	9	140.00	1260.00	14	1960.00	
7	1750.00	7	250.00	1750.00	14	3500.00	
10	900.00	15	90.00	1350.00	25	2250.00	
6	840.00	4	140.00	560.00	10	1400.00	
4	1400.00	5	350.00	1750.00	9	3150.00	
1	800.00	2	800.00	1600.00	3	2400.00	
0	0.00	2	1800.00	3600.00	2	3600.00	
120	1200.00	0	10.00	0.00	120	1200.00	
50	1000.00	91	20.00	1820.00	141	2820.00	
0	0.00	10	600.00	6000.00	10	6000.00	
0	0.00	8	200.00	1600.00	8	1600.00	
0	0.00	5	90.00	450.00	5	450.00	
0	0.00	13	100.00	1300.00	13	1300.00	
0	0.00	0	14000.00	0.00	0	0.00	

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17	Supplying and installation of insulated refrigerant copper tubing of 5/8`` and 3/8`` with polythene foam insulation 3 core 80 stand copper wiring between indoor and outdoor unit. Leak testing oil and gas charging for additional piping length of tube.Split	Mtrs
18	Supply and fixing of condensing coil for Split Air Conditioners.2 ton capacity	Nos
19	Supplying and fixing the fan motor for blowers and condenser of 1/5 HP, single shaft/double shaft suitable for split /window air conditioners.	Nos
20	supply nad fixing cpacitor's (of approved make) for window/split air conditoner	Nos
21	Supplying wall mounting fan suitable to operate at single-phase 230v A.C. supply.400mm Sweep	Nos
22	Supplying and fixing Moulded Case Circuit Breaker (MCCB) Over the existing wood/panel board using necessary screws, bolts, nuts and wiring complete. Protection of Overload and short circuit with thermal Magnetic/Micro Processor release and Earth Fault as per IS-13947. (Icu=Ics) FOUR POLE 100 Amps 25 kA,	Each
23	Supply and fixing of 4pole contractor with No/NC contacts on existing wood/panel board using necessary bolts ,nuts,washers and wires etc., complete with AC-3 rating and as per Is-13947 100/125 Amps	Each
24	Supplying and drawing PVC flexible one pair telephone unarmoured tinned copper cable.5Pair	Mtrs
25	Filtering of oil in the transformer at the transformer center by hot process using "Stream line filter" such time the dielectric strength of the oil in the transformer conforms to ISI specification [Test certificate to be produced]	Ltrs
26	Supplying and Topping -up of new Transil OIL	Per ltrs
	Total Rs	

Certificate

The above said monthly maintenance work has been Carried out satisfactorily

JUNIOR ENGINEER (Ele)
Bruhath Bangalore Mahanagara Palike
Dasarahalli, Bangalore

ASST. EXECUTIVE ENGINEER (Ele)
Bruhath Bangalore Mahanagara Palike
Dasarahalli, Bangalore

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10	10000.00	0	1000.00	0.00	10	10000.00
0	0.00	1	21000.00	21000.00	1	21000.00
1	3280.00	1	3280.00	3280.00	2	6560.00
3	1500.00	2	500.00	1000.00	5	2500.00
0	0.00	5	2530.00	12650.00	5	12650.00
1	5800.00	1	5800	5800.00	2	5800/- 11600.00
1	9910.00	1	9910	9910.00	2	19820.00
175	7000.00	175	40.00	7000.00	350 175	7000/- 14000.00
0	0.00	100.00	20.00	2000.00	100	2000.00
0	0.00	40.00	160.00	6400.00	40	6400.00
	191672.48			234897.96		426570.44

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